### TO STAY THE PESTILENCE.

DR. CARMONA'S METHOD OF INOC-ULATION.

A United States Medical Commission Ordered to Report on Its Efficacy -Dr. Holst's Success.

Washington spec al to the New York Herald: The subcommittee appointed by the Serate Committee on Epidemic Diseases and the House Committee on Commerce have decided to repo t favorably a bill providing for the appointment of a committee to invest, ate the cause and prevention of yellow-fever, and, in part cular, the preventive methods devised by Dr. Carmona in Mexico and by Dr. Freire in Brazil. This conclusion has been reached at the instance of expert medica' men-Drs. Holt, Toner, Hami ton, Billings, Gthon and Walcott among others—who have been present at re-ceat sessions of the subcommittee and have given evidence in the case. PROTECTION AS A NATIONAL MEASURE.

The halplemness of the best talent in the country to protect the people against a recurrence of this epidemic has been clearly shown and frankly confessed. It has been shown also how the interruption of commerce thus occasioned affects points far re-moved from the seat of attack, and that the protection sought is not a local but a national issue. The extent of the yellow fever region in this country is clearly shown by a map prepared by Ir. Toner. It will be seen that the pestilence has moved from Brownsville to Quebec, and from Tampa to Cincin-nati and St. Louis. Dr. Toner states that the great cities of the country are especially exposed to its ravages, and that the rapid transit now afforded by the interlacing lines of railway may carry it to any part of the country next summer. Under these circumstances the chief end in view of the proposed commission-the investigstion of the method of Carmonabecomes of general interest. Who is Carmens, and what did he do?

THE CARMONA METHOD OF INCCULA-TION.

Dr. Manuel Carmons y Valle is the sen or professor of clinical medicine in the Mexican Medical College. His germ theory method of inoculation and exhibit of practical results are most explicitly sat forth in a recent publication of his lectures and hospital notes, upon which the following tal notes, upon which the following resume is based. Unlike Freire in Brazil, he does not follow in the footsteps of Pasteur avowedly, but he has been pursuing a course of original investigation on a parallel line. For the part twelve years he has been in-tently engaged in this chosen work, and new speaks with the authority derived from close observation, long continued laboratory experiments and actual tests in the yellow fever region. Whether right or wrong, his conclusions deserve careful examination. He sets out with the determination of certain granulations, which must not be confounded, as he states, with the characteristic bacteria of putrefaction. They are the spoles or seeds of a microscopic mushroom, which by union in an ani-mal organization form a yellow peronosporo (Peronosporo Lulea), the generating cause of the yellow-lever, as he asserts. He distinguishes these granulations from the bacteria of putrefaction by their characteristic transformations, which have never been noted in other bacteria. The bacteria of putrefaction are destroyed by confact with oxygen, as demonstrated by Pasteur. The 29-ospores of Carmona retain their vitality unimpaired in oxygen or in atmospheric air.

NOT THE PASTEUR MICROBES. by Pasteur in that they wil: not re-produce themselves in sterilized inocula ions of Pasteur, based on the complete isolation of the microbe, are in the form of little tubes branching into filaments. So plenti-ful are they in yellow-fever urine that Dr. Silva Araugo ci Brazil detects what he terms "une veritable foret de 'tubes,'" or branches of a microscopic vegetable. From the framents of these tubes spring little spores 4 1000 ing two test cases, where the malerial used in inoculation had been more are fully prepared. At Mazzilan, of have the property of rapid movement or oscillation, and, from their resemb-lance to little animalcules, are called mal organism these 20 osporic g anulations, the fruit of the mushroom feeted by the fever at all.

The second case is at it more note than the second case is at it more note. (mycellium), become peronospores, two zoosporanges melting into one peronospore, so to speak, and this peronospore being the fatal Peronospore material in the City of Mexico.

CLASSIFICATION OF THE DISEASE. In the classification of this microphyte Carmonia follows the division marked by Dr. Bertillon in his Dic-tionnaire Encyclopedique des Sciences Medical de Dechambre:

Mushroom. Ch.mpignon Enruodes. Assrcodes.

Nemates. Conidiaces. Endospores. Exospores.

Peroposperes. Ascomycees. (Peroposperes Lutea.) From the vellow peromospore springs as fruit of its "oogenic dilat ttions" a great multitude of zo-ospores. These zo ospores must be very care fully distinguished from the zo esperanges, the fruit of the mushroom (mycellium), for on this distinction is tased Carmona's theory of inocula-tion as a preventive of the fever. He claims to have determined by a series of carefully conducted experiments; (1) That the yellow peronospore al-

wave as pears in yellow-fever urine of this fever, which can be accounted fur in no other way.

the patient. The deepening of the yellow tint after doub.

d. The marked ten ency toward the occurrence of hemo-rhagia. This is explained by the diminut on of the growth of the hair.

Burnett's Flavoring Extracts are the garisso, seeing that the zo-os ores are | best

nourished at the expense of these

e. The apparent fet'y degeneration which Carmona declares in only apparent. It does not arise from the transformation of cells to fat, but from the deposits of zo-ospores, which in-crease and develop. True fatty degeneration is not consistent, as he claims, with the frequently rapid recovery of the patient, and the supposed fat cells, under his tests, do not show the chemical properties common to all fats.

mon to all fats. STILL GROPING IN THE EARK. The more go-ospores there are in the body of a patient the more difficult the disease to combat. Therefore the physicians have a tempted to master the fever in two ways-(1) by diminishing the number of parasites;

ence. We are still groping in the dark and falling back, as the best re-source, on the old Creole remedy of caster oil and hot water. When a certain number of persons are attacked die, varying only in proport on to the malignancy of the epidemic." These were frank and told statements, but they were confirmed on apoeal to Drs. Hamilton, Toner and Bi lings, who were present. were present.

It is generally conceded that the zo-ospores cannot be eliminated from the human body by any agency which would not at the rame time destroy the life of the patient.

A PENEDY HOLDLY ATTESTED.

How, then, can the lives of men in the yeilow fever region be prot-cted? Carmons answers, "By my method of inoculation." The difference between the zo-ospore and the zo-osporange has already been carefully noted. It is the zo-esporange or spore of the microscopic mushroom which by union develops the deadly persone-pore and symptoms of yellow-fever. The fruit of the persone-pore itself, or zo-espore so-called, will not directly develop the persone-pore which Carmona chooses as the material for his inoculation. The safety of the operation has already been carefully noted. lation. The safety of the operation depends on the fast that the "inoculated zo-espores are incapable of prolated zo-ospores are incapable of producing the yellow-fever, since, between the zo ospore and the 'mucedinee' or mushroom growth f om the spore there is at it an evolution which has not taken place." The material so chosen is prepared by carefully isolating and drying the zo-ospores of the perchospores lutea. The dri d product is then mixed and dissolved in distilled water and an injection made under the skin of the forearm with a Prayaz syringe. Prayaz syringe.

EFFECT OF THE INCCULATION. "The results of this inoculation have varied," says Carmona, "but never has any serious ill consequence fol-The first person so inoculated was Carmona himself on September 29, 1881. "I fe't an accession of heat in my veins at the moment of injecton, continuing for some seconds. Then it suddenly departed, riving place to a slight awalling, not discoioring the skin, though impeding a little the movements of the arm. On the fourth day following all signs of swelling had disappeared, and I noted meanwhile no febrile condition of the system. The urine discharged was perhaps a little more abundant and tinged slightly with red."

YELLOW-PEVER RESISTED. The inoculated persons were afterward exposed to the attack of the epidemic fever in many places, and the liquids, and therefore the alternated results of the exposure may be briefly inocula ions of Pasteur, based on the summarized: Of the first 208 persons complete isolation of the microbe, are not applicable to the yellow-fever endemic. They are found in myriads, it is a leged, in the blood, urine, vomit and other evacuations of yellow-fever patients, and retain their vitality after the death of the victims. It is in the urine, however, that they can addition of 174 man not irregulated. Of the first 208 persons inoculated not one was attacked by the fever. Of the first 208 persons inoculated not one was attacked by the fever attacked by the garrison of 380 men stationed at Vera Cruz. The 380 men of the original garrison was reinforced later by the urine, however, that they can arrian was reinforced liter by the addition of 174 men not inconlated. be most residily detected and isolated. Viewed under a powerful microscope, these granulations appear as spores 24-1000 of a millimetre in diameter, opaque, yellowish by reflected licht and reliable and reinforced liter by the addition of 174 men not inconlated. The yellow-fever epidemic was intense in the city of Vera Cruz fors'x months. Thirty-two per cent, of the men not inoculated were attacked, but only seven per cent, of those inoculated. millimetre in diameter, opaque, yel-lowish by reflected light and yellowish Dr. Carmona attributes the twenty-six red by refraction. These spores, if allowed to develop in urine or elsewhere, always produce microscopic muchceived into their systems a sufficient ceived into their systems a sufficient quantity of zo-ospores necessary 'for saturation to the protected point," or (1) the fact that the zo oppores used in inoculation were simply dried and not

ten employes of the custom-house, four were inoculated. The ten were alike lance to little animalcules, are called exposed to attack. The six non-incomporanges. By union in the animal organism these zo opporte g anulations the fault of the four inoculated soldiers were not af-

> During the summer these men descended to Vera Couz on their way to Acayucan. France o Gonzales joined them and remained with them six days at Vera Cruz during the epidemic. On the arrival of the detachment at Acayucan Gozzales was found to be sick with yellow-fever, and died in the course of a few days. He alone of the detachment bad not been inoculated. His sever ty-six companions were not attacked at all. Dr. Carmona is led by his experiments to conclude that a temporary febrile condition is a characteristic evidence and guarantee of a successfa; irogulation and of the proper saturation of the system. He deems it essential also that his inoculat on should have time to produce its characteristic effect be-fore the person operated upon is expossed to the epidemic. The inocula-tion should, therefore, be made during the mouths when the fever does not

A SYSTEM OF COAST DEPENSE. Whether the preventive method is really of value or not can probably be wave a pears in yellow-fever urine and in the other urine.

(2) The its presence explains the different symploids and modifications of this fever, which can indications. mushrooms, which are so I ard to kill and so easily scattered broadcast by a Toe logging of the renal causis by aggregations of this microbe at country for the diminution and even toops and fleets of any European at proge of the urinary exerctions.

b the yellow color of the firsh of the inroads of these peets would be a proper scheme of coast defense.

Dandruff

IN REMOVED BY THE USE OF COCOAINE,

TERRIBLE ATTEMPT ON HUMAN LIFE AT EAST ST. LOUIS.

Six Men Imprisoned in a Cage of Fire and Scriously Burned.

Sr. Louis, Mo., February 5 .- A terrible a tempt upon human life and one in seeping with the reputation of East St. Louis was perpetured last evening. Shortly of er 11 o'clock a burst of flame, enveloping a shanty near the railroad track, was discovered. As the fiames we e discovered those who rau to the spot heard the most (2) by destroying them. Parasites; As the fismes we e discovered those (2) by destroying them. Parasites; who ran to the spot heard the most dimetics and sudorifies have been used without stint, but, as Carmona declares, without success. In this declaration he is supported by the tertimony of Drs. Holt, Billings, Toner and other recognitions and other recognitions. was known that human beings were imprisoned in a cage of fire. There testimony of Drs. Holt, Billings, Toner and other recognized authorities.

"Gentlemen," said Dr. Holt, with marked emphasis, to the subcommittee of the Senate, "we have been fighting this fever with every remedy known to the world for hundreds of years. I say to you to day that we have not advanced a hair's breadth during the last sixty years, in s. ite of the bearted attainment of modern science. We are still grothing in the when two men staggered out, their arms beating about and their clothes ablize. Other men were dragged out unconscious. The spectacle was one to be long remembered by all who witness dit. The victime, as they came out were se zad, by rough but friendly tands, and rolled about on the ground in the erow. The light from the burning shanty cart a slue over the throng and presented a picture that reminded one of the old prints of battles. The faces of the victims were blackened and long strips of fl sh peeled of, pre-senting a horrid sight, such as only burned firsh cap. The unfortunates were taken to the Re ay depot, where they were attended to. There were six men in ad taken out of the build-ing, and when they all got tog ther fo-the Relay depot their means and groans made, music that would mak-

TREMBLE AND SHIVER WITH HOEROR. During the brief intervals that they forgot their burns and poins they to d how the fire originated. They had strolled in one by one to the shanty in order to warm up, and were sitting around the stove talking when sucdealy the stove seemed to burst op n and the flames went all about the room, enveloping the men before they could turn toward the door. They could only beat about with their hands and struggle with each other in an endeavor to get to the exc. They grappled with each other and this impeded their escape, and it seemed an eternity before they heard the cries of those who came to the rescue. They remembered very distinctly that they smelled coal oil at the flames burst out around them. The fire was either the result of a practical joke or of a deliberate attack upon the lives of the men to settle an old gradge. The strange manner in which the fire started can only be accounted for on the ground that some wretch

POURED OIL DOWN THE CHIMNEY into the stove. It is said that the man who did the deed is known, as he had a grudge against one of the men and declared but recently that he would get even if it took him years to do it. Near the back of the shanty, on the ground, was found a tin can that evidently had con-tained coal oil. Some of the railroad men who ran to the rescue of the imprisoned victims said that the light of the blazing shanty disclosed to them the figure of a man beating a hasty retreat from the vicinity, but they did not know at the time of the horrible circumstances attending the origin of the conflagration. If the man who carried out such a fiendish p'au of vengeance had been captured he would surely have been lynched. The names of the unfortunate men are: Morris McGlynn, Jas. Donahue, Wm. Guliky, Pat. Boyle, Scott Sanderson, Joseph McGee and Fred. Ericson. They are all fearfully burned, but whether or not any of them are necessarily fatally injured cannot be known

SCOTT SANDERSON.

one of the injured men, was seen this morning, and stated that early in the evening, when he and his men went into the sharty for supper, they expected trouble, for an opposing and unfriendly gang of men had been there before them and had fastened the windows and door of the building. Earderson and his men, however, soon gained admittance. As toon as they entered the door of the shanty was closed by some one from without and securely fastened, and immediately afterwards powder began to be thrown down the chimney. This, however, did not result seriously, and the men within filled the stove with only waste in order to make the chimney (a common stovepipe) so hot that those above could not approach it. Those without then resorted to pouring oil in the chimney, and the room was immedi-ately filled with flames. None of the men, it is now thought, were burned

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Non-Resident Notice.

No. 6002, B.D.—In the Chancery Court of Shelby courty, Tenn.—John Johnson vs., M. M. Buck & Co.

It appearing from bill sworn to in this cause that the defendants, M. M. Buck & Co., are residents of St. Louis, State of Missouri, and non residents of the State of Tennesses: and it turther appearing that said defendants are indebted to complainant in the sum of \$11000, due by onen account, and attachment having been issued and returned, levil d on the argority of defendants;

It is therefore ordered. The they make their appearance he sin, at the courthouse of Shelby county, in Mem. his, Tenn., on or betwee the first and yet and plead, answer or demur to complainant's built, or the same will be taken for confessed as to them and ret for heaving any parts; and that a copy of tein order be published once a week, for four the cessive weeks, in the Memphis Appeal, This 25th day of January, 1885, A copy attest:

S. I. McDeWRLLL, Clerk and Master.

By H.F. Walsh, Deputy Clerk and Master.

John D. Martin, Sel. for complaint.

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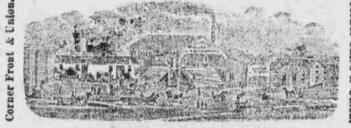
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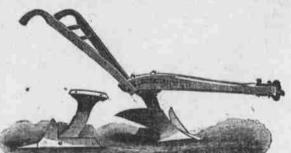
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